

RAW SEQUENCE LISTING

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Application Serial Number: 10/58,717
Source: IFWP
Date Processed by STIC: 6/14/06

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IFWP

RAW SEQUENCE LISTING

DATE: 06/14/2006

PATENT APPLICATION: US/10/581,717

TIME: 10:52:03

Input Set : A:\Q95277 Sequence Listing.txt

Output Set: N:\CRF4\06142006\J581717.raw

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3 <110> APPLICANT: KOGA, Jinichiro
4     BABA, Yuko
5     NAKANE, Akitaka
6     HANAMURA, Satoshi
7     NISHIMURA, Tomoko
8     GOMI, Shuichi
9     KUBOTA, Hidetoshi
10    KONO, Toshiaki
12 <120> TITLE OF INVENTION: ENDOGLUCANASE STCE AND CELLULASE PREPARATION CONTAINING THE
SAME
14 <130> FILE REFERENCE: Q95277
C--> 16 <140> CURRENT APPLICATION NUMBER: US/10/581,717
C--> 16 <141> CURRENT FILING DATE: 2006-06-05
16 <150> PRIOR APPLICATION NUMBER: PCT/JP2004/015733
17 <151> PRIOR FILING DATE: 2004-10-22
19 <150> PRIOR APPLICATION NUMBER: JP 2003-404020
20 <151> PRIOR FILING DATE: 2003-12-03
22 <160> NUMBER OF SEQ ID NOS: 37
24 <170> SOFTWARE: PatentIn version 3.1
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 25
28 <212> TYPE: PRT
29 <213> ORGANISM: Staphylotrichum coccosporum IFO 31817
31 <400> SEQUENCE: 1
33 Ala Asp Gly Lys Ser Thr Arg Tyr Trp Asp Cys Cys Lys Pro Ser Cys
34 1          5          10          15
37 Ser Trp Pro Gly Lys Ala Ser Val Asn
38          20          25
41 <210> SEQ ID NO: 2
42 <211> LENGTH: 951
43 <212> TYPE: DNA
44 <213> ORGANISM: Staphylotrichum coccosporum IFO 31817
46 <220> FEATURE:
47 <221> NAME/KEY: sig_peptide
48 <222> LOCATION: (1)..(63)
50 <220> FEATURE:
51 <221> NAME/KEY: CDS
52 <222> LOCATION: (64)..(951)
55 <400> SEQUENCE: 2
56 atgcgttct ccccgctc cgcacggcc ctggccgctg cctccccct ggccgccctc 60
58 gct gcc gat ggc aag tcg acc cgc tac tgg gac tgt tgc aag ccg tcg 108
59 Ala Asp Gly Lys Ser Thr Arg Tyr Trp Asp Cys Cys Lys Pro Ser
60 1          5          10          15
62 tgc tcg tgg ccc ggc aag gcc tcg gtg aac cag ccc gtc ttc gcc tgc 156

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63	Cys	Ser	Trp	Pro	Gly	Lys	Ala	Ser	Val	Asn	Gln	Pro	Val	Phe	Ala	Cys	
64					20					25				30			
66	agc	gcc	aac	ttc	cag	cgc	atc	agc	gac	ccc	aac	gtc	aag	tcg	ggc	tgc	204
67	Ser	Ala	Asn	Phe	Gln	Arg	Ile	Ser	Asp	Pro	Asn	Val	Lys	Ser	Gly	Cys	
68				35					40				45				
70	gac	ggc	ggc	tcc	gcc	tac	gcc	tgc	gcc	gac	cag	acc	ccg	tgg	gcc	gtc	252
71	Asp	Gly	Gly	Ser	Ala	Tyr	Ala	Cys	Ala	Asp	Gln	Thr	Pro	Trp	Ala	Val	
72			50					55				60					
74	aac	gac	aac	ttc	tcg	tac	ggc	ttc	gcc	gcc	acg	tcc	atc	tcg	ggc	ggc	300
75	Asn	Asp	Asn	Phe	Ser	Tyr	Gly	Phe	Ala	Ala	Thr	Ser	Ile	Ser	Gly	Gly	
76		65					70				75						
78	aac	gag	gcc	tcg	tgg	tgc	tgt	ggc	tgc	tac	gag	ctg	acc	ttc	acc	tcg	348
79	Asn	Glu	Ala	Ser	Trp	Cys	Cys	Gly	Cys	Tyr	Glu	Leu	Thr	Phe	Thr	Ser	
80	80					85				90			95				
82	ggc	ccc	gtc	gct	ggc	aag	acc	atg	gtt	gtc	cag	tcc	acc	tcg	acc	ggc	396
83	Gly	Pro	Val	Ala	Gly	Lys	Thr	Met	Val	Val	Gln	Ser	Thr	Ser	Thr	Gly	
84				100					105				110				
86	ggc	gac	ctc	ggc	acc	aac	cac	ttc	gac	ctg	gcc	atg	ccc	ggt	ggt	ggt	444
87	Gly	Asp	Leu	Gly	Thr	Asn	His	Phe	Asp	Leu	Ala	Met	Pro	Gly	Gly	Gly	
88			115					120				125					
90	gtc	ggc	atc	ttc	gac	ggc	tgc	tcg	ccc	cag	ttc	ggc	ggc	ctc	gcc	ggc	492
91	Val	Gly	Ile	Phe	Asp	Gly	Cys	Ser	Pro	Gln	Phe	Gly	Gly	Leu	Ala	Gly	
92			130					135				140					
94	gac	cgc	tac	ggc	ggc	gtc	tcg	tcg	cgc	agc	cag	tgc	gac	tcg	ttc	ccc	540
95	Asp	Arg	Tyr	Gly	Gly	Val	Ser	Ser	Arg	Ser	Gln	Cys	Asp	Ser	Phe	Pro	
96		145				150				155							
98	gcc	gcc	ctc	aag	ccc	ggc	tgc	tac	tgg	cgc	ttc	gac	tgg	ttc	aag	aac	588
99	Ala	Ala	Leu	Lys	Pro	Gly	Cys	Tyr	Trp	Arg	Phe	Asp	Trp	Phe	Lys	Asn	
100	160					165				170			175				
102	gcc	gac	aac	ccg	acc	ttc	acc	ttc	cgc	cag	gtc	cag	tgc	ccg	tcg	gag	636
103	Ala	Asp	Asn	Pro	Thr	Phe	Thr	Phe	Arg	Gln	Val	Gln	Cys	Pro	Ser	Glu	
104				180					185				190				
106	ctc	gtc	gcc	cgc	acc	ggc	tgc	cgc	cgc	aac	gac	gac	ggc	aac	ttc	ccc	684
107	Leu	Val	Ala	Arg	Thr	Gly	Cys	Arg	Arg	Asn	Asp	Asp	Gly	Asn	Phe	Pro	
108			195					200				205					
110	gtc	ttc	acc	cct	ccc	tcg	ggc	ggt	cag	tcc	tcc	tcg	tct	tcc	tcc	tcc	732
111	Val	Phe	Thr	Pro	Pro	Ser	Gly	Gly	Gln	Ser	Ser	Ser	Ser	Ser	Ser	Ser	
112			210				215					220					
114	agc	agc	gcc	aag	ccc	acc	tcc	acc	tcc	acc	tcg	acc	acc	tcc	acc	aag	780
115	Ser	Ser	Ala	Lys	Pro	Thr	Ser	Thr	Ser	Thr	Ser	Thr	Thr	Ser	Thr	Lys	
116		225				230				235							
118	gct	acc	tcc	acc	acc	tcg	acc	gcc	tcc	agc	cag	acc	tcg	tcg	tcc	acc	828
119	Ala	Thr	Ser	Thr	Thr	Ser	Thr	Ala	Ser	Ser	Gln	Thr	Ser	Ser	Ser	Thr	
120	240					245				250			255				
122	ggc	ggc	ggc	tgc	gcc	gcc	cag	cgc	tgg	gcg	cag	tgc	ggc	ggc	atc	ggg	876
123	Gly	Gly	Gly	Cys	Ala	Ala	Gln	Arg	Trp	Ala	Gln	Cys	Gly	Gly	Ile	Gly	
124			260					265				270					
126	ttc	tcg	ggc	tgc	acc	acg	tgc	gtc	agc	ggc	acc	acc	tgc	aac	aag	cag	924
127	Phe	Ser	Gly	Cys	Thr	Thr	Cys	Val	Ser	Gly	Thr	Thr	Cys	Asn	Lys	Gln	

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128          275          280          285
130 aac gac tgg tac tgc cag tgc ctt taa
131 Asn Asp Trp Tyr Ser Gln Cys Leu
132          290          295
135 <210> SEQ ID NO: 3
136 <211> LENGTH: 295
137 <212> TYPE: PRT
138 <213> ORGANISM: Staphylotrichum coccosporum IFO 31817
140 <400> SEQUENCE: 3
142 Ala Asp Gly Lys Ser Thr Arg Tyr Trp Asp Cys Cys Lys Pro Ser Cys
143 1          5          10          15
146 Ser Trp Pro Gly Lys Ala Ser Val Asn Gln Pro Val Phe Ala Cys Ser
147          20          25          30
150 Ala Asn Phe Gln Arg Ile Ser Asp Pro Asn Val Lys Ser Gly Cys Asp
151          35          40          45
154 Gly Gly Ser Ala Tyr Ala Cys Ala Asp Gln Thr Pro Trp Ala Val Asn
155          50          55          60
158 Asp Asn Phe Ser Tyr Gly Phe Ala Ala Thr Ser Ile Ser Gly Gly Asn
159 65          70          75          80
162 Glu Ala Ser Trp Cys Cys Gly Cys Tyr Glu Leu Thr Phe Thr Ser Gly
163          85          90          95
166 Pro Val Ala Gly Lys Thr Met Val Val Gln Ser Thr Ser Thr Gly Gly
167          100         105         110
170 Asp Leu Gly Thr Asn His Phe Asp Leu Ala Met Pro Gly Gly Gly Val
171          115         120         125
174 Gly Ile Phe Asp Gly Cys Ser Pro Gln Phe Gly Gly Leu Ala Gly Asp
175          130         135         140
178 Arg Tyr Gly Gly Val Ser Ser Arg Ser Gln Cys Asp Ser Phe Pro Ala
179 145         150         155         160
182 Ala Leu Lys Pro Gly Cys Tyr Trp Arg Phe Asp Trp Phe Lys Asn Ala
183          165         170         175
186 Asp Asn Pro Thr Phe Thr Phe Arg Gln Val Gln Cys Pro Ser Glu Leu
187          180         185         190
190 Val Ala Arg Thr Gly Cys Arg Arg Asn Asp Asp Gly Asn Phe Pro Val
191          195         200         205
194 Phe Thr Pro Pro Ser Gly Gly Gln Ser Ser Ser Ser Ser Ser Ser
195          210         215         220
198 Ser Ala Lys Pro Thr Ser Thr Ser Thr Ser Thr Thr Ser Thr Lys Ala
199 225         230         235         240
202 Thr Ser Thr Thr Ser Thr Ala Ser Ser Gln Thr Ser Ser Ser Thr Gly
203          245         250         255
206 Gly Gly Cys Ala Ala Gln Arg Trp Ala Gln Cys Gly Gly Ile Gly Phe
207          260         265         270
210 Ser Gly Cys Thr Thr Cys Val Ser Gly Thr Thr Cys Asn Lys Gln Asn
211          275         280         285
214 Asp Trp Tyr Ser Gln Cys Leu
215          290         295
218 <210> SEQ ID NO: 4
219 <211> LENGTH: 8

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Input Set : A:\Q95277 Sequence Listing.txt

Output Set: N:\CRF4\06142006\J581717.raw

220 <212> TYPE: PRT
221 <213> ORGANISM: Staphylotrichum coccosporum IFO 31817
223 <400> SEQUENCE: 4
225 Pro Ser Cys Ser Trp Pro Gly Lys
226 1 5
229 <210> SEQ ID NO: 5
230 <211> LENGTH: 9
231 <212> TYPE: PRT
232 <213> ORGANISM: Staphylotrichum coccosporum IFO 31817
234 <400> SEQUENCE: 5
236 Ser Thr Arg Tyr Trp Asp Cys Cys Lys
237 1 5
240 <210> SEQ ID NO: 6
241 <211> LENGTH: 10
242 <212> TYPE: PRT
243 <213> ORGANISM: Staphylotrichum coccosporum IFO 31817
245 <400> SEQUENCE: 6
247 Asn Ala Asp Asn Pro Thr Phe Thr Phe Arg
248 1 5 10
251 <210> SEQ ID NO: 7
252 <211> LENGTH: 10
253 <212> TYPE: PRT
254 <213> ORGANISM: Staphylotrichum coccosporum IFO 31817
256 <400> SEQUENCE: 7
258 Ala Ser Val Asn Gln Pro Val Phe Ala Cys
259 1 5 10
262 <210> SEQ ID NO: 8
263 <211> LENGTH: 7
264 <212> TYPE: PRT
265 <213> ORGANISM: Staphylotrichum coccosporum IFO 31817
267 <400> SEQUENCE: 8
269 Pro Gly Cys Tyr Trp Arg Phe
270 1 5
273 <210> SEQ ID NO: 9
274 <211> LENGTH: 7
275 <212> TYPE: PRT
276 <213> ORGANISM: Staphylotrichum coccosporum IFO 31817
278 <400> SEQUENCE: 9
280 Thr Met Val Val Gln Ser Thr
281 1 5
284 <210> SEQ ID NO: 10
285 <211> LENGTH: 9
286 <212> TYPE: PRT
287 <213> ORGANISM: Staphylotrichum coccosporum IFO 31817
289 <400> SEQUENCE: 10
291 Gln Asn Asp Trp Tyr Ser Gln Cys Leu
292 1 5
293 <210> SEQ ID NO: 11
294 <211> LENGTH: 8

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Input Set : A:\Q95277 Sequence Listing.txt

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295 <212> TYPE: PRT
296 <213> ORGANISM: Staphylotrichum coccosporum IFO 31817
298 <400> SEQUENCE: 11
300 Pro Ser Cys Ser Trp Pro Gly Lys
301 1 5
304 <210> SEQ ID NO: 12
305 <211> LENGTH: 9
306 <212> TYPE: PRT
307 <213> ORGANISM: Staphylotrichum coccosporum IFO 31817
309 <400> SEQUENCE: 12
311 Ser Thr Arg Tyr Trp Asp Cys Cys Lys
312 1 5
315 <210> SEQ ID NO: 13
316 <211> LENGTH: 10
317 <212> TYPE: PRT
318 <213> ORGANISM: Staphylotrichum coccosporum IFO 31817
320 <400> SEQUENCE: 13
322 Asn Ala Asp Asn Pro Thr Phe Thr Phe Arg
323 1 5 10
326 <210> SEQ ID NO: 14
327 <211> LENGTH: 16
328 <212> TYPE: PRT
329 <213> ORGANISM: Staphylotrichum coccosporum IFO 31817
331 <400> SEQUENCE: 14
333 Ala Ser Val Asn Gln Pro Val Phe Ala Cys Ser Ala Asn Phe Gln Arg
334 1 5 10 15
337 <210> SEQ ID NO: 15
338 <211> LENGTH: 22
339 <212> TYPE: PRT
340 <213> ORGANISM: Staphylotrichum coccosporum IFO 31817
342 <400> SEQUENCE: 15
344 Ser Gly Cys Asp Gly Gly Ser Ala Tyr Ala Cys Ala Asp Gln Thr Pro
345 1 5 10 15
348 Trp Ala Val Asn Asp Asn
349 20
352 <210> SEQ ID NO: 16
353 <211> LENGTH: 11
354 <212> TYPE: PRT
355 <213> ORGANISM: Staphylotrichum coccosporum IFO 31817
357 <400> SEQUENCE: 16
359 Pro Gly Cys Tyr Trp Arg Phe Asp Trp Phe Lys
360 1 5 10
363 <210> SEQ ID NO: 17
364 <211> LENGTH: 16
365 <212> TYPE: PRT
366 <213> ORGANISM: Staphylotrichum coccosporum IFO 31817
368 <400> SEQUENCE: 17
370 Thr Met Val Val Gln Ser Thr Ser Thr Gly Gly Asp Leu Gly Thr Asn
371 1 5 10 15

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/581,717

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Input Set : A:\Q95277 Sequence Listing.txt

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L:16 M:270 C: Current Application Number differs, Replaced Current Application No

L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date